

5/10

DART AEROSPACE LTD	Work Order :	22364
Description: Step Extrusion	Part Number:	D2622-120C
04.04.27 <i>RF</i>		
Drawing: D2622 Rev. C1	Qty:	110 148

Page 1 of 1

Step	Location	Procedure	By	Date	Qty
1	DC	Issue Traveller	<i>KJ</i>	05.02.08	110
2	PG	Issue P/O: <i>1007530</i> a) Extrude as per Dwg D2622 Rev. C1 b) Material: 6061-T6 (QQ-A-200/8) c) Minimum yield tensile strength = 35 ksi d) Minimum ultimate tensile strength = 38 ksi e) Minimum elongation = 8% f) Order at 120" long g) Bon L Canada Inc. tool # 897123 Rev. A h) To be packed per DSK 066 i) Pull test to ASTM standard B221 required. j) Material certification is required	<i>U</i>	05.02.08	110
3	RG	Inspect for transit damage <b>Ensure Certification are attached</b>	<i>C2</i>	05/02/25	148
4	QC6	Inspect dimensions per Dwg D2622 Check Pull test per Dwg D2622 for compliance page attached. <b>Check hardness with Webster tester</b>	<i>18</i>	05/04/25	148
5	ST	Identify and Stock as D2622-120C	<i>18</i>	05/04/25	148
6	AC	Cost / part <i>23.85</i>	<i>541</i>	05.04.27	148
7	DC	Close W/O <i>23.81</i> Inspect Level 21	<i>KJ</i>	05.04.29	148

Rev	Date	Change	Revised By	Approved
A	02.11.12	New Issue	KJ <i>RF</i>	<i>J</i>

 RELEASED  
 02.11.18 *RF*

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Mfg / Design Mgr	Approval QC Inspector

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Design Mgr	Approval QC Inspector
			Initial Design Mgr	Action Description Design Mgr	Sign & Date			

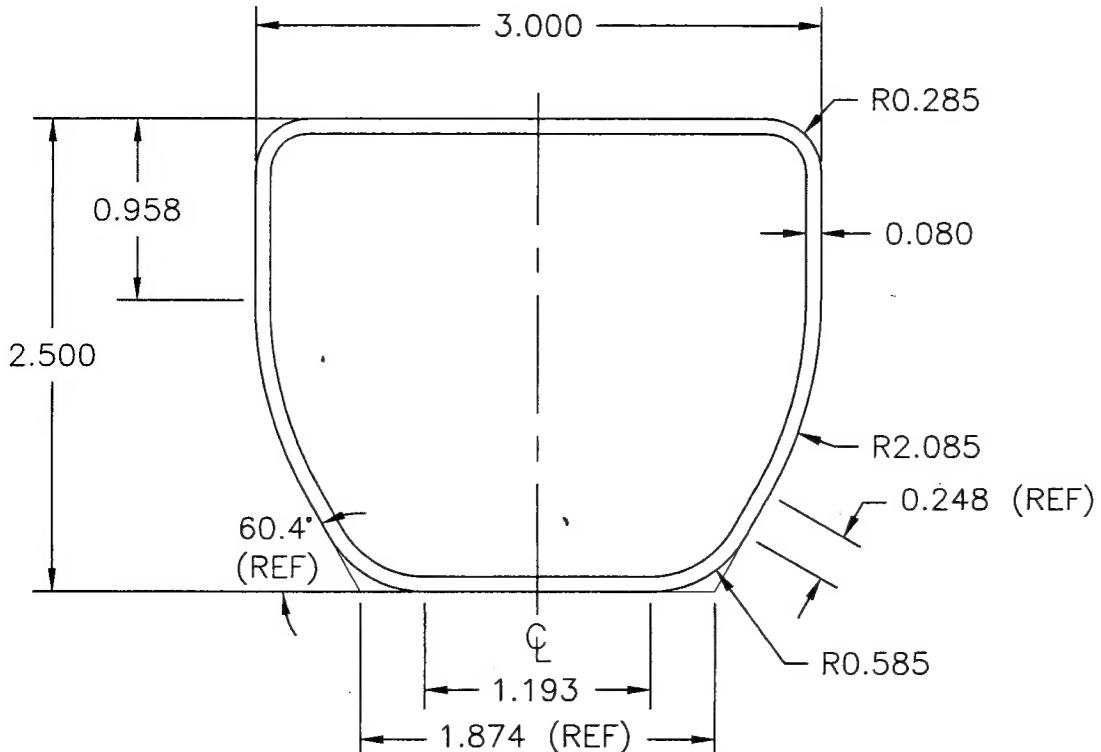
Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_  
 NOTE: Date & initial all entries

QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_



RELEASED  
02.09.11

DESIGN KE	DRAWN BY JP	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED #	APPROVED #	DRAWING NO. D2622	REV. C SHEET 1 OF 1
DATE 02.09.11		TITLE STEP EXTRUSION	SCALE 1:1
A	96.11.29	NEW ISSUE	
B	97.12.12	CHANGE MATERIAL, ADD TOL. QSI	
C	02.09.11	0.080 WAS 0.085; ADD PART & DIE No.	
CI	JP 02.10.04	ADD 'REV. A' TO DIE NUMBER.	

D2622-XXX STEP EXTRUSION

1) PART NUMBER IS D2622-XXX WHERE 'XXX' IS CUT LENGTH IN INCHES (EG. D2622-120 IS 120" LONG)

2) MATERIAL 6061-T6 (QQ-A-200/8)

3) MANUFACTURED USING BON-L DIE # 897123 REV. A

4) A SAMPLE FROM EACH BATCH WILL BE PULL TESTED TO ASTM STANDARD B221 BY AN APPROVED TESTING FACILITY TO ENSURE THAT THE BATCH MEETS THE MINIMUM MECHANICAL PROPERTIES STATED BELOW:

MINIMUM TENSILE YIELD STRENGTH = 35 ksi

MINIMUM ULTIMATE TENSILE STRENGTH = 38 ksi

MINIMUM ELONGATION = .8%

5) PART IS SYMMETRIC ABOUT CENTERLINE

6) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED

7) ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED

SHOP COPY

RETURN TO

ENGINEERING

UNCONTROLLED COPY

SUBJECT TO AMENDMENT  
WITHOUT NOTICE

WORK ORDER

NO. 22364

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Dart Aerospace Ltd.  
Hawkesbury

Job Costing Report

Feb 07, 2005  
03:58 pm

Work Order No	:	0022364	Department Code:	
Project Name	:	D2622-120C	Burden Flags	: NNNNNNN
Project For	:	WK510	WO Status	: Open
Work Order Type	:	Main	Invoice State	: Not Invoiced
Main WO Number	:		Invoice Date	:
House Part Number	:	D2622-120C	Invoice Number	:
Description	:	Extrusion	Invoice Amount	: 0.00
Manufactured	:	Yes	Order Entry No	:
Amount Req'd	:	110	OE Value	: 0.00
Amount Done	:	0	Est Margin	: 0.000%
Start Date	:	02-07-05	Actual Margin	: 0.000%
Est Finish Date	:	02-28-05	\$0 Posted to Finished Goods	
Act Finish Date	:			
Drawings Reqd	:	No		
Ok for Approval	:			
Approval Rec'd	:			

	Estimated	Actual	Var. %	Posted	To Post
Material Cost	: 0.00	0.00	0.00	0.00	0.00
Engineering Hours	: 0.00	0.00	0.00		
Engineering Cost	: 0.00	0.00	0.00	0.00	0.00
Production Hours	: 0.00	0.00	0.00		
Production Cost	: 0.00	0.00	0.00	0.00	0.00
Packaging Hours	: 0.00	0.00	0.00		
Packaging Cost	: 0.00	0.00	0.00	0.00	0.00
OverHead Hours	: 0.00	0.00	0.00		
OverHead Cost	: 0.00	0.00	0.00	0.00	0.00
CNC Hours	: 0.00	0.00	0.00		
CNC	: 0.00	0.00	0.00	0.00	0.00
Misc. Hours	: 0.00	0.00	0.00		
Misc.	: 0.00	0.00	0.00	0.00	0.00
	=====	=====	=====		
Burden	: 0.00	0.00	0.00		
	=====	=====	=====		
Total Cost	: 0.00	0.00	0.00		
Margin	: 0.000	0.000			
Selling Cost	: 0.00	0.00			

	Estimated	Actual
Labour Hrs/Amount Done	: 0.00	0.00
Profits/ (Loss)	: 0.00	0.00



# CERTIFICATE OF COMPLIANCE

## BON L CANADA INC

500 EDWARD AVENUE  
RICHMOND HILL, ON L4C 4Y9

Order Date	Carling No.	Serial Order	Page
02/24/05	118293	39464	1
Cust PO	B/L No.	Lot	Date
2007530	00254631	39464010	2/24/05

Ship To:	46024	Ship To:	46024
DART AEROSPACE LTD. 1270 ABERDEEN ST. HAWKESBURY, ON K6A 1K7	DART AEROSPACE LTD. 1270 ABERDEEN ST. HAWKESBURY, ON K6A 1K7		

Item No.	Part No.	Item Description	Cust Part
1.000	DAA-897123-1	120" Mill 6061 T6	D2622
Gross Weight:	643 KGS		
Net Qty	613 KG	148 PC	451 M
Specification:	AMS-QQ-A-200/8 & ASTM B221-00		

### Mechanical Tests:

Test No.	Tensile MPA / KSI	Yield MPA / KSI	%Elongation	Conductivity	Bend/Drift	HR-E							
1	345.6 / 50.1	306.2 / 44.4	10.2	.0		93							
Chemical Analysis:	SI	FE	CU	MN	MG	CR	NI	ZN	GA	V	TI	ZR	OTHER

.630 .310 .230 .030 .860 .040 .010 .048 .000 .007 .024 .001 .000

This will certify that the material described herein has been inspected and tested in accordance with Bon L Canada's standard sampling and testing procedures or in accordance with the requirements of any specifications forming a part of the material description to the extent indicated herein. Data of chemical composition for the material and test results from samples representative of the material are set forth above hereof or in any attachments hereto. This information shows that the material meets the applicable requirements. Inspection and test records are maintained on file. This certificate shall be deemed apart of and subject to the terms and conditions of warranty set forth on the reverse side of our order acknowledgement form. No other warranties are applicable.

Paul Dailleboust, QA Manager Signed for Bon L Canada